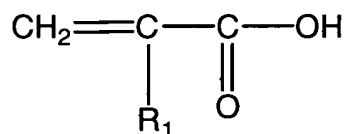


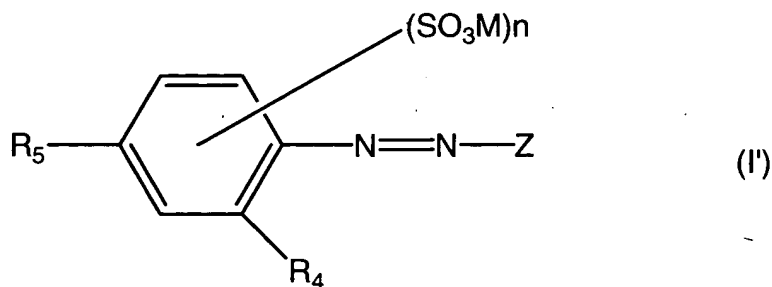
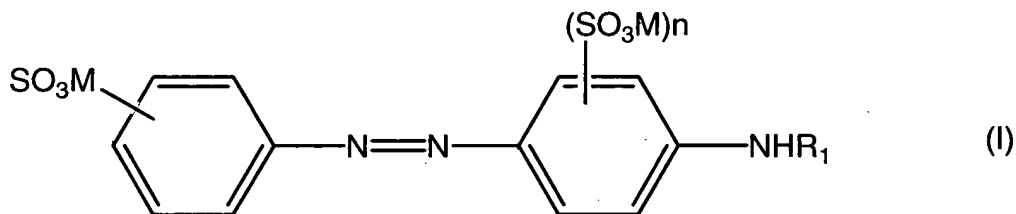
**AMENDMENTS TO THE CLAIMS**

Claims 1-9. **(Cancelled)**

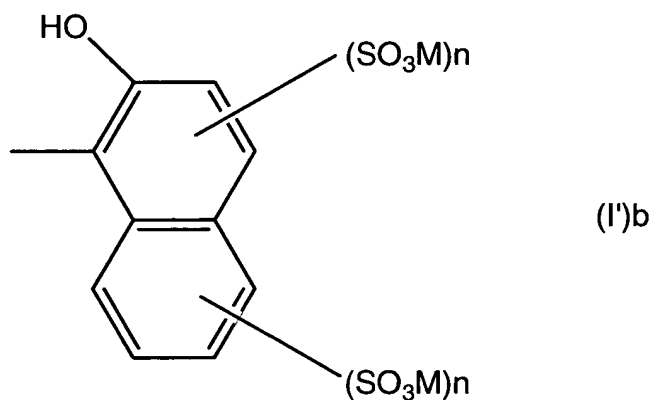
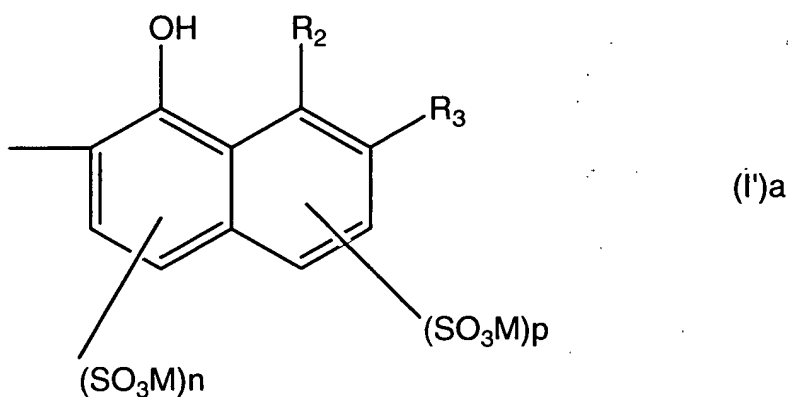
10. **(currently amended)** A composition comprising, in a cosmetically acceptable support suitable for dyeing the hair, at least one direct dye and at least one crosslinked polymer containing acrylic residue units of the structure



in which R<sub>1</sub> denotes H, CH<sub>3</sub> or C<sub>2</sub>H<sub>5</sub>, and C<sub>10</sub>-C<sub>30</sub> alkyl acrylate residue units, wherein said composition is a direct dyeing composition for the hair, wherein said at least one direct dye is an acid azo dye of formulae (I) or (I'):



in which Z denotes (I')a or (I')b:



in which:

n denotes zero or 1,

p denotes zero, 1 or 2,

M denotes H or an alkali or alkaline-earth counterion, an organic amine which may be hydroxylated or not hydroxylated, or ammonia,

R<sub>1</sub> denotes H, a C<sub>1</sub>-C<sub>4</sub> alkyl radical or an cycloalkylaryl radical,

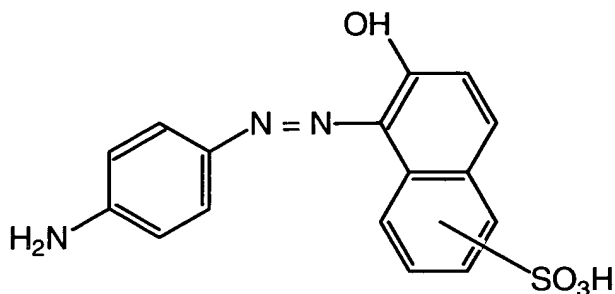
R<sub>2</sub> denotes H, an -NH<sub>2</sub> radical, an -HN-CO-CH<sub>3</sub> radical or an -NHSO<sub>2</sub>-phenyl radical,

R<sub>3</sub> denotes H, or a -N=N-(para-nitrophenyl) radical,

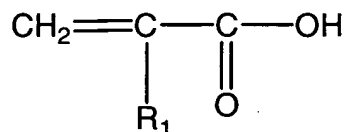
R<sub>4</sub> denotes a H, a C<sub>1</sub>-C<sub>4</sub> alkyl radical, a C<sub>1</sub>-C<sub>4</sub> alkoxy radical, or forms a naphthalenyl ring with the adjacent carbon atom which is unsubstituted of the phenyl group,

R<sub>5</sub> denotes H, a C<sub>1</sub>-C<sub>4</sub> alkyl radical, an -SO<sub>3</sub>Na radical, a -NH<sub>2</sub> radical, an -HN-CO-CH<sub>3</sub> radical or an -NO<sub>2</sub> radical, and in which at least one -SO<sub>3</sub>M group is present in formulae (I), (I')a and (I')b

**with the proviso that at least one direct dye is not a dye of chemical formula:**



11. **(previously presented)** A composition comprising, in a cosmetically acceptable support suitable for dyeing the hair, at least one direct dye and at least one crosslinked polymer containing acrylic residue units of the structure

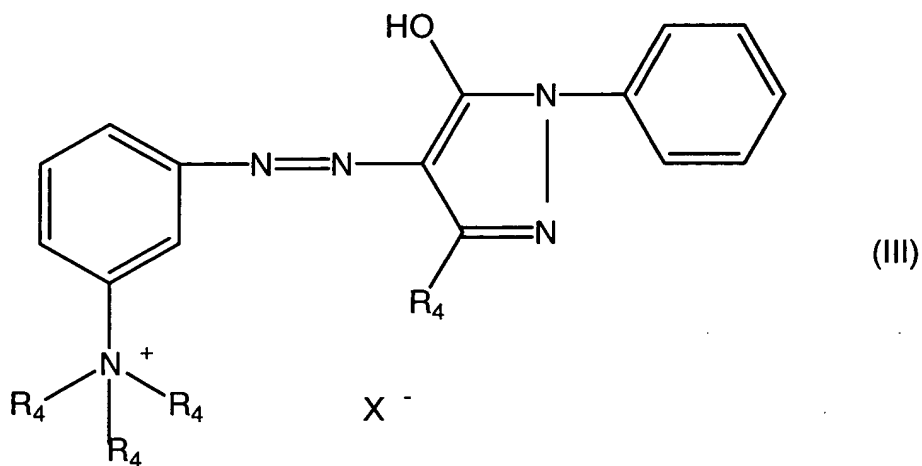
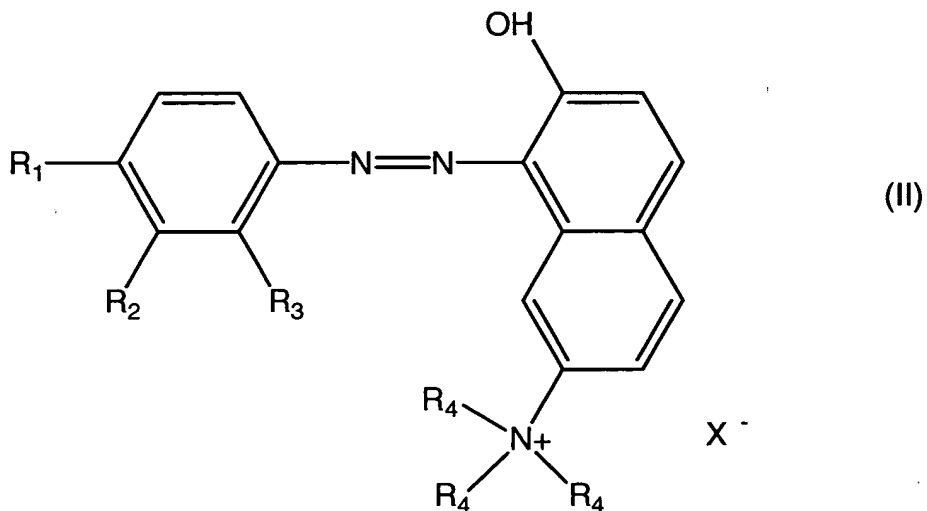


in which R<sub>1</sub> denotes H, CH<sub>3</sub> or C<sub>2</sub>H<sub>5</sub>, and C<sub>10</sub>-C<sub>30</sub> alkyl acrylate residue units, wherein said composition is a direct dyeing composition for the hair, wherein said at

least one direct dye is a cationic azo dye of formulae (II), (III), (IV), (V), (VI), (VI'), (VII)

and their mesomeric forms, wherein

(i) dyes of formulae (II) and (III) are:



in which

R<sub>1</sub> denotes H or an -NH<sub>2</sub> radical,

R<sub>2</sub> denotes H or a -NO<sub>2</sub> radical,

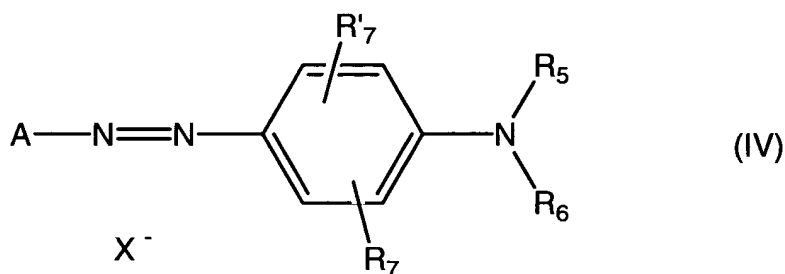
$R_3$  denotes H or a  $-\text{NO}_2$  radical or an  $\text{C}_1\text{-C}_4$  alkoxy radical,

$R_4$  denotes a  $\text{C}_1\text{-C}_4$  alkyl radical,

$\text{X}^-$  denotes an anion chosen from chloride, methyl sulphate and acetate, wherein;

(ii) dyes of formulae (IV), (V), (VI), (VI'), (VII) include:

a) the compounds of formula (IV):



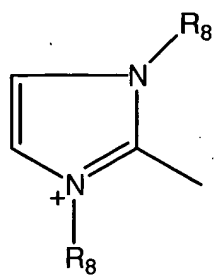
in which:

$R_5$  and  $R_6$ , which may be identical or different, denote a hydrogen atom,  $\text{C}_1\text{-C}_4$  alkyl radicals which can have a substituent chosen from  $-\text{CN}$ ,  $-\text{OH}$  and  $-\text{NH}_2$  radicals, and a 4'-aminophenyl radical, or form, with a carbon atom of the benzene ring, a heterocycle, oxygenated and/or nitrogenated and optionally having at least one substituent chosen from  $\text{C}_1\text{-C}_4$  alkyl radicals,

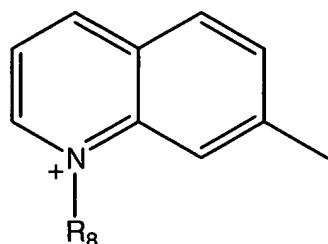
$R_7$  and  $R'_7$  which may be identical or different, denote a hydrogen atom, a halogen atom chosen from chlorine, bromine, iodine and fluorine, a cyano radical, a  $\text{C}_1\text{-C}_4$  alkyl radical, a  $\text{C}_1\text{-C}_4$  alkoxy radical, or an acetyloxy radical,

$\text{X}^-$  denotes an anion chosen from chloride, methyl sulphate and acetate;

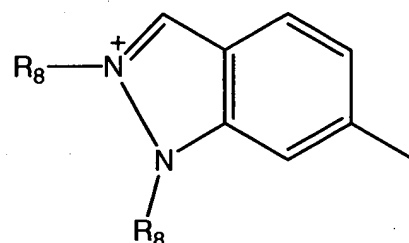
A is a group chosen from structures  $A_1$  to  $A_{19}$ :



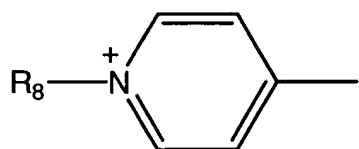
A<sub>1</sub>



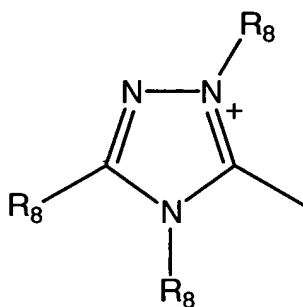
A<sub>2</sub>



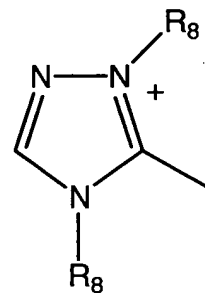
A<sub>3</sub>



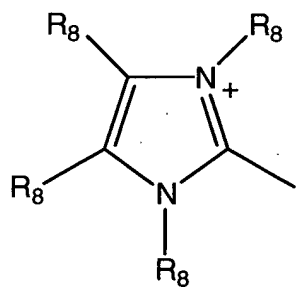
A<sub>4</sub>



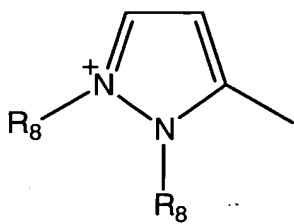
A<sub>5</sub>



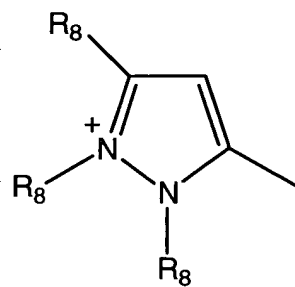
A<sub>6</sub>



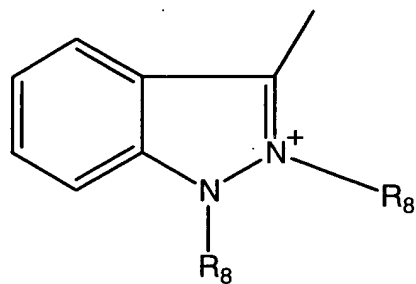
A<sub>7</sub>



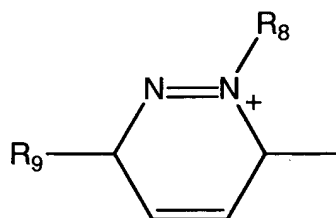
A<sub>8</sub>



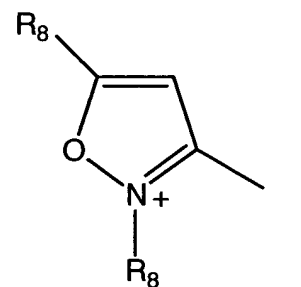
A<sub>9</sub>



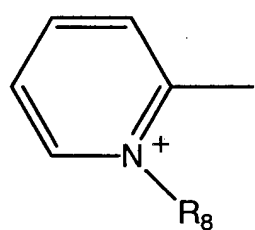
A<sub>10</sub>



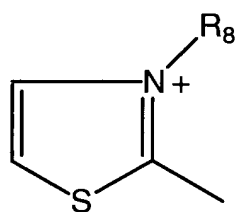
A<sub>11</sub>



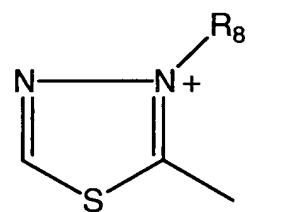
A<sub>12</sub>



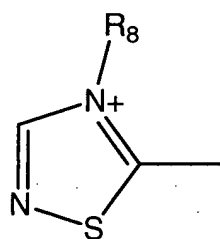
A<sub>13</sub>



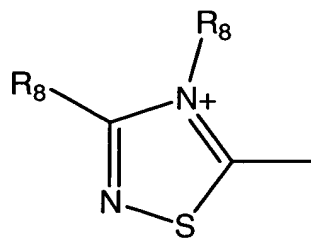
A<sub>14</sub>



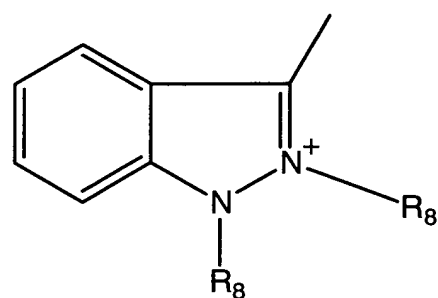
A<sub>15</sub>



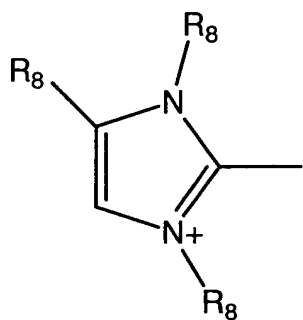
A<sub>13</sub>



A<sub>14</sub>



A<sub>15</sub>



and

A<sub>19</sub>

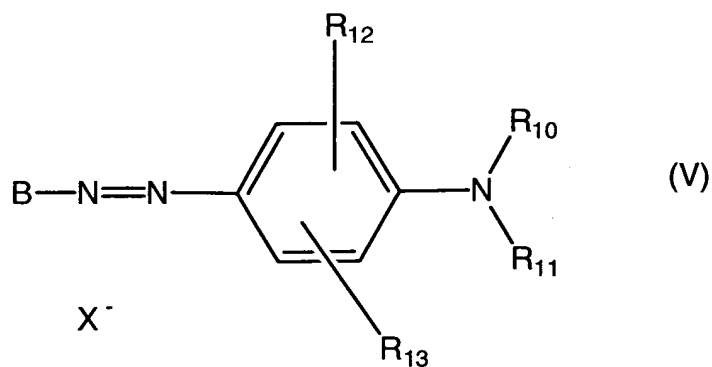
in which,

R<sub>8</sub> denotes a C<sub>1</sub>-C<sub>4</sub> alkyl radical which can be substituted with a hydroxyl radical

and

R<sub>9</sub> denotes a C<sub>1</sub>-C<sub>4</sub> alkoxy radical,

b) the compounds of formula (V):



in which:

R<sub>10</sub> denotes hydrogen or a C<sub>1</sub>-C<sub>4</sub> alkyl radical,

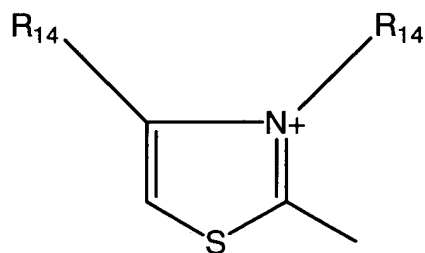
R<sub>11</sub> denotes hydrogen or a C<sub>1</sub>-C<sub>4</sub> alkyl radical optionally having a substituent chosen from a -CN radical, an amino radical, and a 4'-aminophenyl radical, or forms with R<sub>10</sub> a heterocycle, oxygenated and/or nitrogenated and optionally having at least one substituent chosen from a C<sub>1</sub>-C<sub>4</sub> alkyl radical,



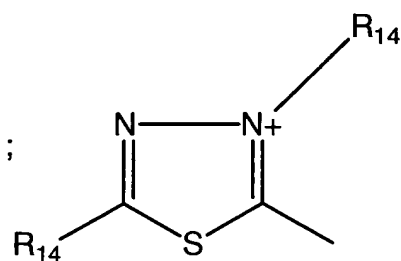
$R_{12}$  and  $R_{13}$ , which may be identical or different, denote a hydrogen atom, a halogen atom chosen from bromine, chlorine, iodine or fluorine, a  $C_1$ - $C_4$  alkyl radical, a  $C_1$ - $C_4$  alkoxy radical, or a  $-CN$  radical,

$X^-$  denotes an anion chosen from chloride, methyl sulphate and acetate;

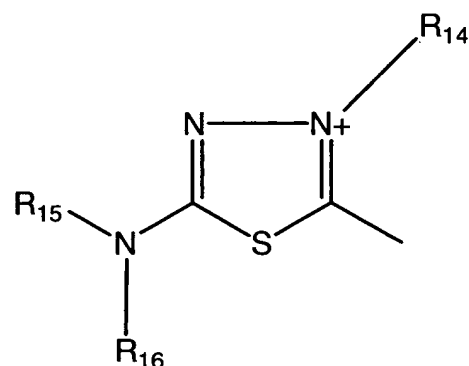
B is a group chosen from structures B1 to B6:



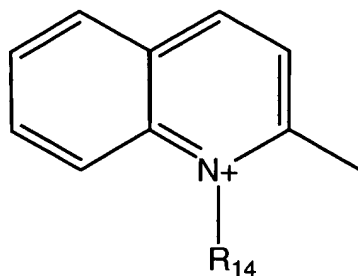
B1



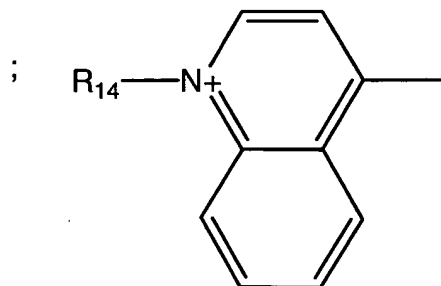
B2



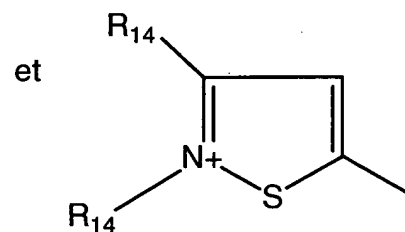
B3



B4



B5



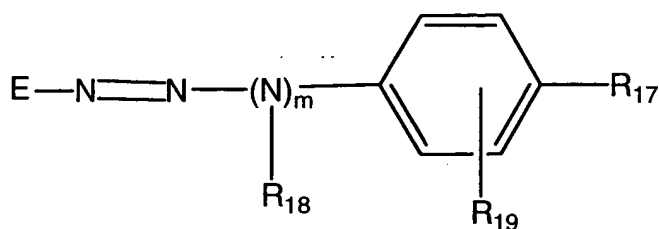
B6

in which,

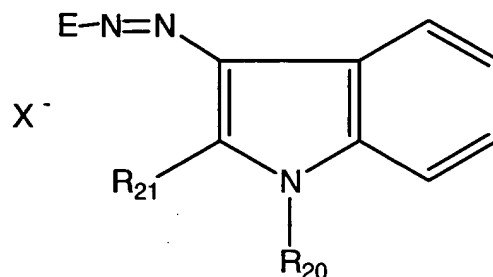
$R_{14}$  denotes a  $C_1$ - $C_4$  alkyl radical, and

$R_{15}$  and  $R_{16}$ , which may be identical or different, denote a hydrogen atom or a  $C_1$ - $C_4$  alkyl radical;

c) the compounds of formulae (VI) and (VI'):



(VI)



(VI')

in which:

$R_{17}$  denotes a hydrogen atom, a  $C_1$ - $C_4$  alkoxy radical, a halogen atom chosen from bromine, chlorine, iodine and fluorine, an unsubstituted amino radical, or a substituted amino radical,

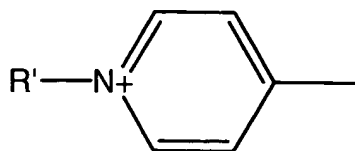
$R_{18}$  denotes a hydrogen atom, a  $C_1$ - $C_4$  alkyl radical, or forms with a carbon atom of the benzene ring, a heterocycle which is optionally oxygenated and optionally having at least a substituent chosen from a  $C_1$ - $C_4$  alkyl radical,

$R_{19}$  denotes a hydrogen atom or a halogen atom chosen from bromine, chlorine, iodine and fluorine,

$R_{20}$  and  $R_{21}$ , which may be identical or different, denote a hydrogen atom or a  $C_1$ - $C_4$  alkyl radical,

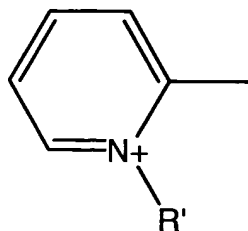
m is zero or 1,

X<sup>-</sup> denotes an anion chosen from chloride, methyl sulphate and acetate; E is a group chosen from structures E1 to E8:



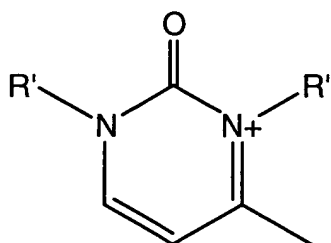
E1

;

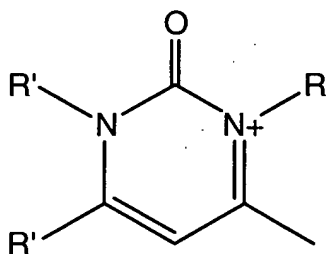


;

E2



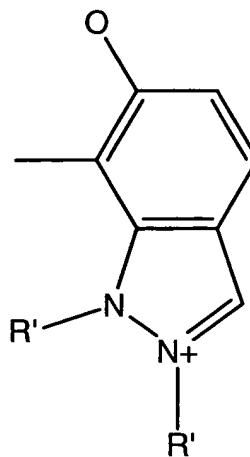
;



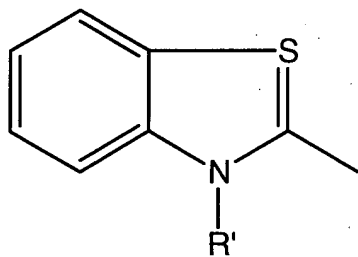
;

E3

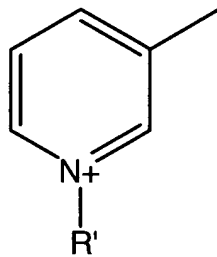
E4



E5

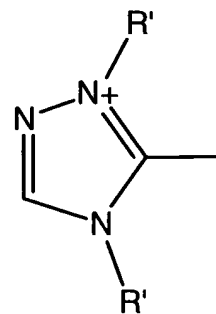


E6



E7

and

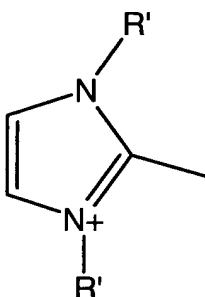


E8

in which

R' denotes a C<sub>1</sub>-C<sub>4</sub> alkyl radical,

when m is 0, then E can also be a group of structure E9:

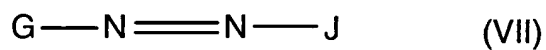


E9

in which,

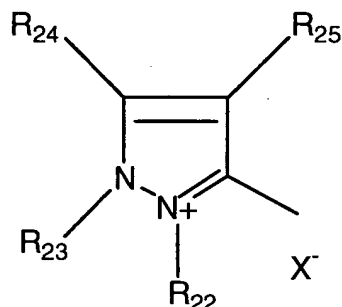
R' denotes a C<sub>1</sub>-C<sub>4</sub> alkyl radical,

d) the compounds of formula (VII):

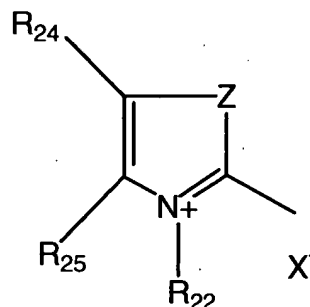


in which,

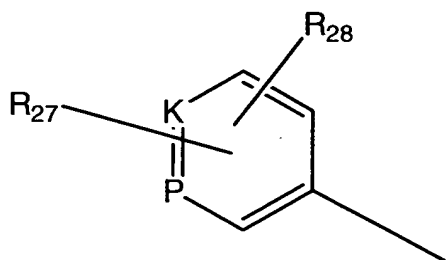
the symbol G represents a group chosen from structures G1 to G3:



G<sub>1</sub>



G<sub>2</sub>



G<sub>3</sub>

in which,

R<sub>22</sub> denotes a C<sub>1</sub>-C<sub>4</sub> alkyl radical or a phenyl radical optionally having a substituent chosen from a C<sub>1</sub>-C<sub>4</sub> alkyl radical and a halogen atom chosen from chlorine, bromine, iodine and fluorine,

R<sub>23</sub> denotes a C<sub>1</sub>-C<sub>4</sub> alkyl radical or a phenyl radical,

R<sub>24</sub> and R<sub>25</sub>, which may be identical or different, denote a C<sub>1</sub>-C<sub>4</sub> alkyl radical or a phenyl radical or, in the case of structure G<sub>1</sub>, can together form a benzene ring having at least one substituent chosen from a C<sub>1</sub>-C<sub>4</sub> alkyl radical, a C<sub>1</sub>-C<sub>4</sub> alkoxy radical and an -NO<sub>2</sub> radical, and in the case of structure G<sub>2</sub>, can together form a benzene ring optionally having at least one substituent chosen from a C<sub>1</sub>-C<sub>4</sub> alkyl radical, a C<sub>1</sub>-C<sub>4</sub> alkoxy radical and an -NO<sub>2</sub> radical, wherein R<sub>24</sub> can also denote a hydrogen atom,

Z denotes chosen from an oxygen atom, a sulphur atom or an  $\text{-NR}_{23}$  radical;

M denotes a  $\text{-CH}$  radical, a  $\text{-CR}$  radical wherein R is chosen from a  $\text{C}_1\text{-C}_4$  alkyl radical, or an  $\text{-NR}_{26}(\text{X})_r$  radical, wherein r is zero or 1,

K denotes a  $\text{-CH}$  radical, a  $\text{-CR}$  radical wherein R is chosen from a  $\text{C}_1\text{-C}_4$  alkyl radical, or an  $\text{-NR}_{26}(\text{X})_r$  radical wherein r is zero or 1,

P denotes a  $\text{-CH}$  radical, a  $\text{-CR}$  radical wherein R is chosen from a  $\text{C}_1\text{-C}_4$  alkyl radical, or an  $\text{-NR}_{26}(\text{X})_r$  radical wherein r is zero or 1,

$\text{R}_{26}$  denotes an oxygen atom, a  $\text{C}_1\text{-C}_4$  alkoxy radical or a  $\text{C}_1\text{-C}_4$  alkyl radical,

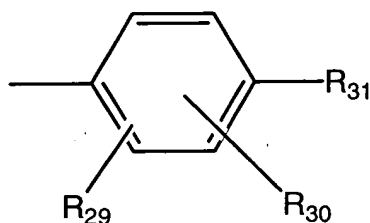
$\text{R}_{27}$  and  $\text{R}_{28}$ , which may be identical or different, denote a hydrogen atom, a halogen atom chosen from chlorine, bromine, iodine and fluorine, a  $\text{C}_1\text{-C}_4$  alkyl radical, a  $\text{C}_1\text{-C}_4$  alkoxy radical or an  $\text{-NO}_2$  radical,

$\text{X}^-$  denotes an anion chosen from chloride, iodide, methyl sulphate, ethyl sulphate, acetate and perchlorate, and

wherein at least one of K, M or P denotes  $\text{-NR}_{26}(\text{X})_r$ ,

wherein the symbol J is chosen from:

(a) a group of structure  $\text{J}_1$ :



$\text{J}_1$

in which,

$R_{29}$  denotes a hydrogen atom, a-halogen atom chosen from chlorine, bromine, iodine and fluorine, a  $C_1$ - $C_4$  alkyl radical, a  $C_1$ - $C_4$  alkoxy radical, a -OH radical, an - $NO_2$  radical, an - $NHR_{32}$  radical, an - $NR_{33}R_{34}$  radicals, an - $NHCO(C_1$ - $C_4)$ alkyl radical, or forms with  $R_{30}$  a 5- or 6-membered ring which may contain at least one hetero atom chosen from nitrogen, oxygen and sulphur,

$R_{30}$  denotes a hydrogen atom, a halogen atom chosen from chlorine, bromine, iodine and fluorine, a  $C_1$ - $C_4$  alkyl radical, a  $C_1$ - $C_4$  alkoxy radical, or forms, with  $R_{31}$  or  $R_{32}$  a 5- or 6-membered ring which may contain at least one hetero atom chosen from nitrogen, oxygen and sulphur,

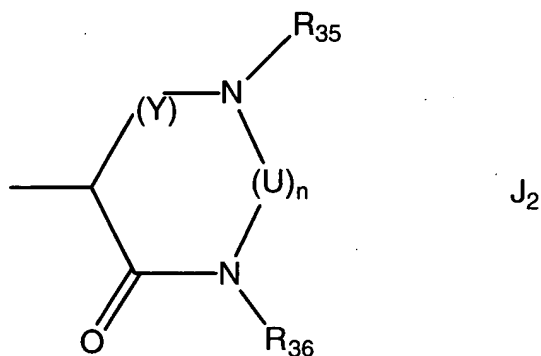
$R_{31}$  denotes a hydrogen atom, an -OH radical, an - $NHR_{32}$  radical or an - $NHR_{33}R_{34}$  radical,

$R_{32}$  denotes a hydrogen atom, a  $C_1$ - $C_4$  alkyl radical, a  $C_1$ - $C_4$  monohydroxyalkyl radical, a  $C_2$ - $C_4$  polyhydroxyalkyl radical or a phenyl radical,

$R_{33}$  and  $R_{34}$ , which may be identical or different, denote a  $C_1$ - $C_4$  alkyl radical, a  $C_1$ - $C_4$  monohydroxyalkyl radical or a  $C_2$ - $C_4$  polyhydroxyalkyl radical, and

(b) a 5- or 6-membered nitrogenous heterocyclic group which can contain at least one other hetero atom and/or at least one carbonyl group and which can have at least one substituent chosen from a  $C_1$ - $C_4$  alkyl radical, an amino radical or a phenyl radical.

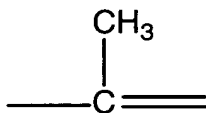
12. (original) A composition according to claim 11, wherein said 5- or 6-membered nitrogenous heterocyclic group is chosen from a group of structure  $J_2$ :



in which,

$R_{35}$  and  $R_{36}$ , which may be identical or different, denote a hydrogen atom, a  $C_1$ - $C_4$  alkyl radical, or a phenyl radical,

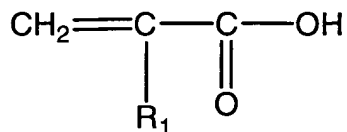
Y denotes a -CO- radical or a radical



wherein  $n = 0$  or  $1$ , where, when  $n$  denotes  $1$ , U denotes a -CO- radical.

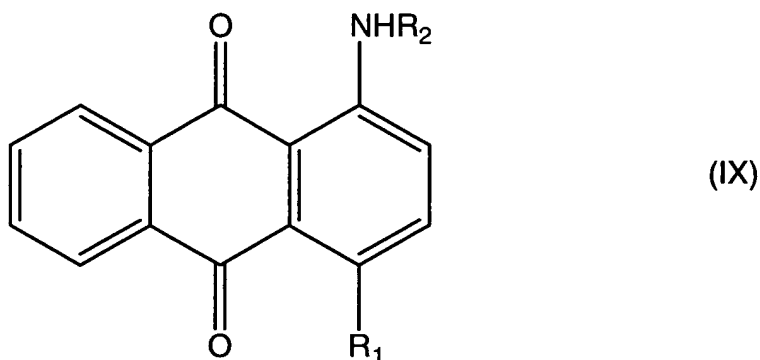
13. **(cancelled)**

14. **(previously presented)** A composition comprising, in a cosmetically acceptable support suitable for dyeing the hair, at least one direct dye and at least one crosslinked polymer containing acrylic residue units of the structure





in which  $R_1$  denotes H,  $CH_3$  or  $C_2H_5$ , and  $C_{10}$ - $C_{30}$  alkyl acrylate residue units,  
wherein said composition is a direct dyeing composition for the hair, wherein said at  
least one direct dye is a cationic anthraquinonic dye of formula (IX):



in which:

$R_1$  denotes a hydrogen atom, a -OH radical, a - $NH_2$  radical, or a - $NH(C_1-C_4)alkyl$  radical,

$R_2$  denotes a  $-(CH_2)_nNR_3R_4(R_5)_m-$  radical, in which n denotes 1 or 10, m denotes zero or 1, and

$R_3$ ,  $R_4$ ,  $R_5$  which may be identical or different, denotes a hydrogen atom or a  $C_1$ - $C_4$  alkyl radical, and

wherein  $R_3$  and  $R_4$ , with the nitrogenous atom, can form a 5- or 6-membered heterocycle group which can contain at least one other hetero atom chosen from nitrogen, oxygen or sulphur and optionally having at least one substituent chosen from  $C_1$ - $C_4$  alkyl radicals, amino radicals, and phenyl radicals.

Claims 15-27.      **(Cancelled)**